

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	772	(313/495-496,309-310).ccls.	US-PGPUB	OR	ON	2006/03/01 16:05
L2	627	((313/495-496,309-310).ccls.)and ((emiiter cone tip) with nitrogen nitride nitridation)	USPAT	OR	ON	2006/03/01 16:06
L3	134	((445/24).ccls.)and (field adj (emission emitter))and((emiiter cone tip) with nitrogen nitride nitridation)	USPAT	OR	ON	2006/03/01 16:07
S1	28	((plasma adj enhanced adj chemical adj vapor adj deposition)PECVD)with hydrogenation	US-PGPUB; USPAT	OR	OFF	2004/01/16 11:06
S2	677	((plasma adj enhanced adj chemical adj vapor adj deposition)PECVD)with (oxygen)	US-PGPUB; USPAT	OR	OFF	2004/01/15 10:46
S3	39	((plasma adj enhanced adj chemical adj vapor adj deposition)PECVD)near hydrogen	US-PGPUB; USPAT	OR	OFF	2004/01/15 10:50
S4	0	((plasma adj enhanced adj chemical adj vapor adj deposition)PECVD)near hydrogen with (reduce near oxygen)	US-PGPUB; USPAT	OR	OFF	2004/01/15 10:50
S5	0	((plasma adj enhanced adj chemical adj vapor adj deposition)PECVD)near hydrogen with (reduced near oxygen)	US-PGPUB; USPAT	OR	OFF	2004/01/15 10:51
S6	3	((plasma adj enhanced adj chemical adj vapor adj deposition)PECVD)near hydrogen with (oxygen)	US-PGPUB; USPAT	OR	OFF	2004/01/15 10:52
S7	6	((plasma adj enhanced adj chemical adj vapor adj deposition)PECVD)near hydrogen with (oxide)	US-PGPUB; USPAT	OR	OFF	2004/01/15 11:02
S8	0	(field adj emitter adj tip)with oxide with (reduced less) and((plasma adj enhanced adj chemical adj vapor adj deposition)PECVD)near hydrogen	US-PGPUB; USPAT	OR	OFF	2004/01/15 11:03
S9	0	(field adj emitter adj tip)with oxide with (reduced less) and((plasma adj enhanced adj chemical adj vapor adj deposition)PECVD)near hydrogen	US-PGPUB; USPAT	OR	OFF	2004/01/15 11:04
S10	0	(field adj emitter adj tip)with oxide with (reduced less)	US-PGPUB; USPAT	OR	OFF	2004/01/15 11:04

EAST Search History

S11	14	(field adj emitter adj tip)with oxide	US-PGPUB; USPAT	OR	OFF	2004/01/15 11:32
S12	1	("5747384").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/01/15 11:55
S13	1	("5853492").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/01/15 12:01
S14	1541	(313/495-497).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/01/15 13:31
S15	8	("4125446" "4792842" "5147819" "5229331" "5358908" "5372973" "5923953" "6154188").PN.	USPAT	OR	OFF	2004/01/15 12:25
S16	10	("5038070" "5188977" "5319233" "5319279" "5541473" "5644156" "5659224" "5723867" "5796211" "5834790").PN.	USPAT	OR	OFF	2004/01/15 12:33
S17	2	("4804253" "5126620").PN.	USPAT	OR	OFF	2004/01/15 12:41
S18	18	("3665241" "3921022" "3970887" "3998678" "4008412" "4095133" "4163949" "4307507" "4513308" "4578614" "4818914" "4964946" "4990766" "5012153" "5030895" "5053673" "5142184" "5164632").PN.	USPAT	OR	OFF	2004/01/15 13:17
S19	1	"4008412".PN.	USPAT	OR	OFF	2004/01/15 13:24
S20	1	("4728851").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/01/15 13:46
S21	20	"5371431".URPN.	USPAT	OR	OFF	2004/01/15 13:33
S22	1	("6136621").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/01/15 14:13
S23	14	("4964946" "5151061" "5186670" "5188977" "5229331" "5371431" "5378182" "5466982" "5481156" "5504385" "5514847" "5529524" "5548181" "5739628").PN.	USPAT	OR	OFF	2004/01/15 13:46
S24	1	("5371431").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/01/15 17:09

EAST Search History

S25	18	("3665241" "3921022" "3970887" "3998678" "4008412" "4095133" "4163949" "4307507" "4513308" "4578614" "4818914" "4964946" "4990766" "5012153" "5030895" "5053673" "5142184" "5164632").PN.	USPAT	OR	OFF	2004/01/15 14:14
S26	20	"5371431".URPN.	USPAT	OR	OFF	2004/01/15 14:16
S27	8	kanicki-.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/01/15 17:11
S28	1	(kanicki-.in.)and barrier	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/01/15 17:13
S29	34	(glass adj substrate)with (barrier adj film)	US-PGPUB; USPAT	OR	OFF	2004/01/16 17:17
S30	2	pecvd adj hydrogenation adj process	US-PGPUB; USPAT	OR	OFF	2004/01/16 11:07
S31	3216	hydrogenation adj process	US-PGPUB; USPAT	OR	OFF	2004/01/16 11:08
S32	264	(hydrogenation adj process).ti.	US-PGPUB; USPAT	OR	OFF	2004/01/16 11:12
S33	0	(emitter adj tip)with hydrogenation	USPAT	OR	OFF	2004/01/16 11:13
S34	87	(emitter adj tip)with oxide	USPAT	OR	OFF	2004/01/16 12:02
S35	1	("5186670").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/01/16 12:44
S36	1	("6086442").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/01/16 13:38
S37	1	("5853492").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/01/16 15:39
S38	1	("5089292").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/01/16 15:44
S39	1	("5371431").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/01/16 15:48
S40	0	(field adj emission)and (silicon adj grid) and (metal adj grid)and (passivation adj layer).	USPAT	OR	OFF	2004/01/16 15:50

EAST Search History

S41	0	(field adj emission)and (grid) and (metal adj grid)and (passivation adj layer)	USPAT	OR	OFF	2004/01/16 15:50
S42	74	(field adj emission)and (grid) and metal and (passivation adj layer)	USPAT	OR	OFF	2004/01/16 16:37
S43	50	("3500102" "3814968" "3883760" "3970887" "4575765" "4859304" "4874981" "4940916" "4992137" "5000208" "5024722" "5049520" "5100355" "5141461" "5151061" "5162704" "5186670" "5191217" "5199917" "5204581" "5205770" "5210472" "5212426" "5219310" "5229331" "5229682" "5232549" "5259799" "5283500" "5329207" "5342477" "5358599" "5358601" "5358908" "5372973" "5374868" "5391259" "5448133" "5451830" "5483118" "5500750" "5620832" "5621272" "5632664" "5633560" "5637023" "5643033" "5643817" "5648698" "5648699").PN.	USPAT	OR	OFF	2004/01/16 16:06
S44	27	(field adj emission)and ((passivation adj layer)with nitride)	USPAT	OR	OFF	2004/01/16 16:45
S45	4266	passivation with nitride	USPAT	OR	OFF	2004/01/16 17:06
S46	40	Kanicki and substrate and chemical	USPAT; EPO; JPO; DERWENT	OR	OFF	2004/01/16 17:10
S47	155	substrate and (barrier adj (film layer)) and (field adj emission)	USPAT	OR	OFF	2004/01/16 17:12
S48	11	(glass adj substrate) with (barrier adj (film layer)) and (field adj emission)	USPAT	OR	OFF	2004/01/16 17:13
S49	23	(glass adj substrate)with (barrier adj film)	USPAT	OR	OFF	2004/01/16 17:17
S50	204	(313/495).CCLS.	US-PGPUB; USOCR	OR	OFF	2004/01/20 09:11
S51	8	Raina-k\$.in.	US-PGPUB	OR	OFF	2004/01/20 10:26
S52	775	(plasma adj treatment)with silicon	US-PGPUB; USPAT	OR	OFF	2004/01/20 10:28

EAST Search History

S53	0	(plasma adj treatment)with (silicon adj tip)	US-PGPUB; USPAT	OR	OFF	2004/01/20 10:28
S54	0	(plasma adj treatment)with (emitter adj tip)	US-PGPUB; USPAT	OR	OFF	2004/01/20 10:29
S55	839	nitridation with nitrogen	US-PGPUB; USPAT	OR	OFF	2004/01/20 10:49
S56	0	nitridation with nitrogen with plasma with tip	US-PGPUB; USPAT	OR	OFF	2004/01/20 10:50
S57	12	nitrogen with plasma with tip	US-PGPUB; USPAT	OR	OFF	2004/01/20 11:38
S58	3180	(313/309-311,351,336).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/01/20 11:40
S59	1264	(445/24).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/01/20 11:41
S60	2	(emitter with (dop\$2 Near silicon))and(treated adj surface)	US-PGPUB; USPAT	OR	OFF	2004/07/23 16:37
S61	280	(emitter with (dop\$2 Near silicon))	US-PGPUB; USPAT	OR	OFF	2004/07/23 17:36
S62	27	(emitter near (dop\$2 Near silicon))	US-PGPUB; USPAT	OR	OFF	2004/07/23 17:39
S63	2	("3678325" "5245248").PN.	USPAT	OR	OFF	2004/07/23 16:40
S64	18	("3528156" "3720985" "4164680" "4827177" "5019003" "5035771" "5128006" "5141460" "5164220" "5199918" "5220725" "5234153" "5252833" "5277940" "5278475" "5289086" "5306529" "5328550").PN.	USPAT	OR	OFF	2004/07/23 17:20
S65	18	("3528156" "3720985" "4164680" "4827177" "5019003" "5035771" "5128006" "5141460" "5164220" "5199918" "5220725" "5234153" "5252833" "5277940" "5278475" "5289086" "5306529" "5328550").PN.	USPAT	OR	OFF	2004/07/23 17:20
S66	0	doping with silicon with emitter with (low adj workfunction)	US-PGPUB; USPAT	OR	OFF	2004/07/23 17:38
S67	0	doping with silicon with emitter with (low adj work adj function)	US-PGPUB; USPAT	OR	OFF	2004/07/23 17:38
S68	0	doping with silicon with (low adj work adj function)	US-PGPUB; USPAT	OR	OFF	2004/07/23 17:38

EAST Search History

S69	37	((doped adj silicon)with (work adj function)	US-PGPUB; USPAT	OR	OFF	2004/07/23 17:40
S72	54	((emitter emission)near3 tip)with (nitrogen nitride)	USPAT	OR	OFF	2005/06/13 17:20
S73	11	((emitter emission)near3 tip)with (nitrogen)	USPAT	OR	OFF	2005/06/13 17:21
S74	9	((doped adj silicon)with (nitride)with emitter	USPAT; EPO; JPO; DERWENT	OR	OFF	2005/06/13 17:22
S75	5	("4957591" "5138237" "5341063" "5399238" "5449435").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/06/13 17:56
S76	0	((doped adj silicon)near3 emitter)with (nitrogen adj plasma)	USPAT	OR	OFF	2005/06/13 17:58
S77	1	((doped adj silicon)near3 emitter)and (nitrogen adj plasma)	USPAT	OR	OFF	2005/06/13 17:58
S78	1	((doped adj silicon)near3 emitter)and (nitrogen Near3 plasma)	USPAT	OR	OFF	2005/06/13 17:59
S79	1	((doped adj silicon)near3 emitter)and (nitridation)	USPAT	OR	OFF	2005/06/13 17:59
S80	2	((field adj emitter)near6 nitrogen) and @ad<"19990901"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/08 11:00
S81	308	((field adj (emitter emission))and ((emitter cone tip) with (nitrogen nitride)) and @ad<"19990901"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/01 16:00